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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/059,815	01/28/2002	Paul Christopher Eastham	5693P003	6764

48102 7590 04/28/2005

NETWORK APPLIANCE/BLAKELY  
12400 WILSHIRE BLVD  
SEVENTH FLOOR  
LOS ANGELES, CA 90025-1030

EXAMINER

CHAI, LONGBIT

ART UNIT	PAPER NUMBER
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2131

DATE MAILED: 04/28/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 10/059,815	<b>Applicant(s)</b> EASTHAM, PAUL CHRISTOPHER	
	<b>Examiner</b> Longbit Chai	<b>Art Unit</b> 2131	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 02 May 2002.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☐ Claim(s) \_\_\_\_\_ is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-29 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 28 January 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## **DETAILED ACTION**

### ***Priority***

1. No claim for priority has been made in this application.

The effective filing date for the subject matter defined in the pending claims in this application is 1/28/2002.

### ***Claim Objections***

2. Claim 9 is objected to because of the following informalities: "The method of claim 9" should be "The method of claim 1 (for example)". Appropriate correction is required.

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraph of 35 U.S.C. 102 that forms the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1, 12 – 13, 22 and 26 are rejected under 35 U.S.C. 102(b) as being anticipated by Shapiro (Patent Number: 5991810).

As per claim 1 and 12, Shapiro teaches a method, comprising: automatically configuring a server so that the server is able to communicate with a database to authenticate a user; and operating the server (Shapiro, Figure 1 Element 50 & Column 7 Line 16 – 17 and Column 7 Line 36 – 40: proxy cache server as taught by Shapiro).

As per claim 13, 12, 22 and 26, Shapiro teaches a device, comprising: a network cache (Shapiro, Figure 1 Element 50); and a user interface (Shapiro, Figure 1 Element 32) to allow an operator to enter a character string known by the operator to be within a user object located in a database (Shapiro, Figure 1 Element 50) such that the character string is used to automatically configure the network cache so that the network cache is able to communicate with a database to authenticate a user (Shapiro, Column 7 Line 16 – 17 and Column 7 Line 36 – 40).

4. Claims 1 – 5, 9, 12 – 17, 22 – 24 and 26 – 28 are rejected under 35 U.S.C. 102(e) as being anticipated by Manukyan (Patent Number: 6687733).

As per claim 1, Manukyan teaches a method, comprising: automatically configuring a server so that the server is able to communicate with a database to

authenticate a user; and operating the server (Manukyan, Abstract Line 1 – 10 and Column 17 Line 13 – 27 and Column 17 Line 33 – 36).

5. As per claim 13, 12, 22 and 26, Manukyan teaches a device, comprising: a network cache (Manukyan, Figure 3 Element 108 & Figure 4 Element 56 and Column 18 Line 20 – 21: The collective entity of Controller and Interactive server Daemon is qualified as a network cache with respect to Database Server); and a user interface (Manukyan, Figure 2 Element 26) to allow an operator to enter a character string known by the operator to be within a user object located in a database (Manukyan, Abstract Line 1 – 10 and Column 17 Line 13 – 27 and Column 17 Line 33 – 36) such that the character string is used to automatically configure the network cache so that the network cache is able to communicate with a database to authenticate a user (Manukyan, Abstract Line 1 – 10, Column 10 Line 43 – 51, Column 17 Line 13 – 27, Column 17 Line 33 – 36, Column 19 Line 6 – 10 and Column 19 Line 32 – 41).

As per claim 2 and 14, Manukyan teaches searching for a character string in a plurality of objects located in a database (Manukyan, Column 12 Line 10 – 11); receiving a selection of an object from a subset of objects found to contain the character string (Manukyan, Column 12 Line 10 – 11: for example eMail service group); retrieving the object; receiving a selection of the attribute name associated with the character string (Manukyan, Column 19 Line 6 – 10: eMail address is an attribute name); and storing the attribute name in a configuration file in the server (Manukyan, Column 19 Line 33 – 41, Abstract Line 1 – 10 and Column 17 Line 13 – 27: server / network cache

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is considered as a collective entity of Controller and Interactive Server Daemon (Figure 3 Element 108 / 50 and Figure 4 Element 56).

As per claim 3, 15, 23 and 27, Manukyan teaches the character string is a user ID (Manukyan, Column 15 Line 49 – 50).

As per claim 4 and 16, Manukyan teaches retrieving the object further comprises receiving as input a password Corresponding to the user ID (Manukyan, Column 15 Line 49 – 50).

As per claim 5, 17, 24 and 28, Manukyan teaches the attribute name corresponding to each group ID in the object is selected and stored in a configuration file in the server (Manukyan, Column 19 Line 6 – 10 and Column 19 Line 32 – 41: eMail service can be considered as a service group and eMail address as an user attribute name).

As per claim 9, Manukyan teaches the server is a network cache (Manukyan, Column 19 Line 33 – 41, Abstract Line 1 – 10 and Column 17 Line 13 – 27: server / network cache is considered as a collective entity of Controller and Interactive Server Daemon (Figure 3 Element 108 / 50 and Figure 4 Element 56).

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

A person shall be entitled to a patent unless –

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 10 – 11 and 21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ouellette (Patent Number: 6321259), in view of (Manukyan: Patent Number: 6687733).

As per claim 10 and 21, Manukyan teaches method for automatically configuring a network cache, the method comprising:

receiving as input from a user interface a user ID of a user object located in a database (Ouellette, Column 8 Line 38 – 43 and Column 6 Line 54 – 59);

querying the database for the user ID (Ouellette, Column 8 Line 38 – 43 and Column 6 Line 54 – 59);

outputting to the user interface objects having the user ID (Ouellette, Figure 5, 9 & 10 and Column 16 Line 25 – 40 & Column 8 Line 41 – 43);

receiving a selection of the user object to associate with the user ID; retrieving the user object; (Ouellette, Column 8 Line 38 – 39: The selection, for example, is the PPTP group associated with the user ID);

outputting to the user interface attributes of the user object (Ouellette, Figure 5, 9 & 10 and Column 16 Line 25 – 40 & Column 8 Line 41 – 43 & Column 8 Line 45 – 49);

Ouellette does not disclose expressly storing the attribute names in a configuration file in the network cache.

Manukyan teaches storing the attribute names in a configuration file in the network cache (Manukyan, Abstract Line 1 – 10 and Column 17 Line 13 – 27 & Column 17 Line 33 – 36 & Column 18 Line 41 – 44 & Column 19 Line 6 – 10 and Column 19 Line 33 – 41: network cache is considered as a collective entity of Controller and Interactive Server Daemon (Figure 3 Element 108 / 50 and Figure 4 Element 56)).

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teaching of Manukyan within the system of Ouellette because (a) Ouellette discloses a hierarchical LDAP database server associated the users / clients for authentication purpose (Ouellette, Column 8 Line 38 – 43 and 28 – 32) and (b) Manukyan teaches providing an effective system and mechanism that offers the advantages to eliminate and automate the work otherwise performed by a system administration to setup, add, modify or delete the service configuration available to the client (Manukyan: Column 17 Line 34 – 36 and Abstract Line 1 – 10).

Accordingly, Ouellette in view of Manukyan further teaches:

receiving a selection of an attribute name associated with the user ID within the user object (Manukyan, Column 18 Line 29 – 33, Ouellette, Column 8 Line 38 – 39 and Column 8 Line 3 – 4: The selection, for example, of attribute name PPTP associated



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with the user ID within the user object, and PPTP is a single type of account associated with the user ID);

receiving a selection of the attribute names associated with one or more group ID's within the user object (Manukyan, Column 18 Line 29 – 33, Ouellette, Column 8 Line 1 – 4 and Column 7 Line 23 – 29 & Figure 5: the options as taught by Ouellette can have either one single group or multiple groups associated with user ID);

receiving a selection of an object other than the user object having the user ID; retrieving the object (Manukyan, Column 18 Line 29 – 33, Ouellette, Column 8 Line 1 – 4 and Column 8 Line 42 – 46);

receiving a selection of the attribute names associated with the attributes utilized to identify the non-parent group (Manukyan, Column 18 Line 29 – 33, Ouellette, Column 8 Line 1 – 4 and Column 7 Line 23 – 29 & Figure 5: the options as taught by Ouellette can have either one single group (i.e. parent group) or multiple groups associated with user ID (the optional groups are interpreted as non-parent groups associated with user ID);

storing the attribute name associated with the user ID in a configuration file in the network cache (Manukyan, Column 19 Line 6 – 10 and Column 19 Line 33 – 41);

storing the attribute names associated with the one or more group ID's in a configuration file in the network cache (Manukyan, Abstract Line 1 – 10 and Column 17 Line 13 – 27 & Column 17 Line 33 – 36 & Column 18 Line 41 – 44, Ouellette, Column 8 Line 1 – 4 and Column 7 Line 23 – 29).

As per claim 11, Ouellette teaches receiving as input a password corresponding to the user ID (Ouellette, Column 8 Line 30).

7. Claims 6 – 8, 18 – 20, 25 and 29 are rejected under 35 U.S.C. 103(a) as being unpatentable over Manukyan (Patent Number: 6687733), in view of Ouellette (Patent Number: 6321259).

As per claim 6, 18, 25 and 29, Manukyan does not disclose expressly non-parental group object.

Ouellette teaches if a non-parental group object is found to contain the user ID; the server retrieves the non-parental group object (Ouellette, Column 8 Line 1 – 4 and Column 7 Line 23 – 29 & Figure 5: the options as taught by Ouellette can have either one single group (i.e. parent group) or multiple groups associated with user ID (the optional groups are interpreted as non-parent groups associated with user ID).

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teaching of Ouellette within the system of Manukyan because (a) Manukyan teaches a mechanism to authenticate clients through a database server (Manukyan: Column 16 Line 1 – 11) and (b) Ouellette discloses an effective hierarchical LDAP database structure having a series of hierarchical levels, containing group entries that can be parents for other group entries and person entries for service authentication purposes (Ouellette, Column 8 Line 38 – 43 and 28 – 32).

Accordingly, Manukyan in view of Ouellette teaches:

receives a selection of the attribute names associated with attributes utilized to identify the non-parental group (Manukyan, Column 18 Line 30 – 33, Ouellette, Column 8 Line 1 – 4), and stores the attribute names in a configuration file in the server (Manukyan, Column 19 Line 33 – 41, Abstract Line 1 – 10 and Column 17 Line 13 – 27: server / network cache is considered as a collective entity of Controller and Interactive Server Daemon (Figure 3 Element 108 / 50 and Figure 4 Element 56).

As per claim 7 and 19, Manukyan does not disclose expressly the server guesses which attributes to select once the object from the subset of objects has been retrieved.

Ouellette teaches the server guesses which attributes to select once the object from the subset of objects has been retrieved (Ouellette, Column 8 Line 1 – 4 and Column 7 Line 23 – 29 & Figure 5: the options as taught by Ouellette can have either one single group (i.e. parent group) or multiple groups associated with user ID (the optional groups are interpreted as non-parent groups associated with user ID and thereby the server needs to guess which optional group other than the direct parent group once the object from the subset of objects has been retrieved).

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teaching of Ouellette within the system of Manukyan because (a) Manukyan teaches a mechanism to authenticate clients through a database server (Manukyan: Column 16 Line 1 – 11) and (b) Ouellette discloses an effective hierarchical LDAP database structure having a series of hierarchical levels,

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containing group entries that can be parents for other group entries and person entries for service authentication purposes (Ouellette, Column 8 Line 38 – 43 and 28 – 32).

As per claim 8 and 20, Manukyan further teaches the attributes stored in the configuration file are checked for correctness (Manukyan, Column 19 Line 32 – 41).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Longbit Chai whose telephone number is 571-272-3788. The examiner can normally be reached on Monday-Friday 8:00am-4:00pm.

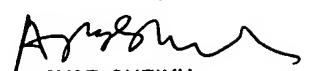
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz R Sheikh can be reached on 571-272-3795. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



LBC

Longbit Chai  
Examiner  
Art Unit 2131



AYAZ SHEIKH  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100